ARM 36,22,307, 601, 605, 1003, 1004, 1011, 1013, 1103, 1222, 1240, 1301, 1306, 1309, and 1417

Submit In Quadruplicate To:

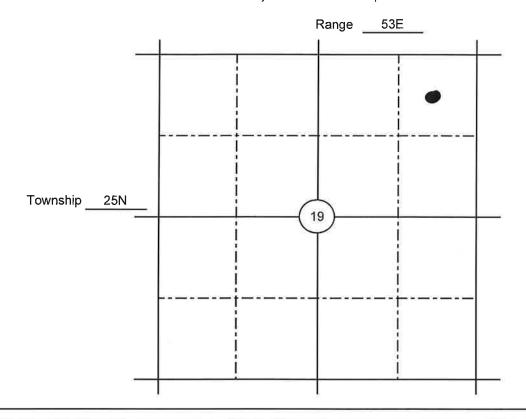
MONTANA BOARD OF OIL AND GAS CONSERVATION RECEIVED 2535 ST. JOHNS AVENUE **BILLINGS, MONTANA 59102**

MAY 0 5 2023 SUNDRY NOTICES AND REPORT OF WELLS MONTANA BOARD OF OIL & GAS CONSERVATION · BILLINGS Lease Name: Operator White Rock Oil & Gas, LLC BR . Address 5810 Tennyson Parkway, Suite 500 Type (Private/State/Federal/Tribal/Allotted): Private -City Plano State TX Zip Code 75024 Well Number: Telephone 214-981-1400 Fax 41-19H Location of well (1/4-1/4 section and footage measurements); Unit Agreement Name: 675 FNL 1225 FEL NENE . Field Name or Wildcat: Elm Coulee . Township, Range, and Section: 25N-53E-19 · API Number: Well Type (oil, gas, injection, other): County: 083 22108 Oil -25 Richland Well State County Indicate below with an X the nature of this notice, report, or other data: Notice of Intention to Change Plans Subsequent Report of Mechanical Integrity Test Notice of Intention to Run Mechanical Integrity Test Subsequent Report of Stimulation or Treatment Notice of Intention to Stimulate or to Chemically Treat Subsequent Report of Perforation or Cementing Notice of Intention to Perforate or to Cement Subsequent Report of Well Abandonment Notice of Intention to Abandon Well Subsequent Report of Pulled or Altered Casing Notice of Intention to Pull or Alter Casing Subsequent Report of Drilling Waste Disposal Notice of Intention to Change Well Status Subsequent Report of Production Waste Disposal Supplemental Well History Subsequent Report of Change in Well Status Other (specify) Chemical disclosure Subsequent Report of Gas Analysis (ARM 36.22.1222) **Describe Proposed or Completed Operations:** Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations. White Rock is submitting this chemical disclosure for frac approval. SEE ATTACHED CONDITIONS OF APPROVAL The undersigned hereby certifies that the information contained on this application is true and correct: **BOARD USE ONLY** 0 2023 05/03/2023 Approved Date Eric Linthicum, Regulatory Manager Admin the Enincer Print Name and Title 214-666-4826 Telephone:

SUPPLEMENTAL INFORMATION

NOTE: Additional information or attachments may be required by Rule or by special request.

Plot the location of the well or site that is the subject of this notice or report.



BOARD USE ONLY

CONDITIONS OF APPROVAL

The operator must comply with the following condition(s) of approval:

Failure to comply with the conditions of approval may void this permit.

MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

RECEIVED

rade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS#)	Maximum Ingredient Concentration in	Mass per	Maximum Ingredient Concentration in HF
					(% by mass)***		(PG/by mass)##
	Operator	Carrier/Base Fluid	Water	Swite(III)	100,00%	245.885.02	3138415
- Control	ProFrac	Propositi	Crystallino Silica (quarte)	2:07:808t1	100.00%	495,000	0.76603".
höppent	ProFrac	Proppant	Crystalline Silica (quartz)	14808-50-7	100.00%	985 150'77	750082
(E.Hydrochloric Artil (1974)	DynaChem	Acidizing	Hydrochloric Acid	7647-01-0	300.002	11.589	0.01783%
	Cooper Natural	Acid Inhibitor	Soundecared, ethory/lated	\$408-8406	1.75%	9	0.00001
			Alcohol: C12-14 secondary, ethoxylated	841335046	8005	77	**************************************
The second second second			Methyl 9-Decenoste	25601-41-6	1.00%		2.000000
			Methyl 9-dodocenoate	39202-17-0	1,00%	3	a donour.
			Solium vylene sulforare	1306-72-7	155210		0.000000%
		Manufacture of the College of the Co	Citos acid	47,42.9	10,00%	30	0,00005.
		THE RESERVE THE RESIDENT	Pyridinium, 1-(phenylmethyl)-, Et Me derivs, abloridi	68909-18-2	2500%.	92	a.tomic.
			Ethylene giyeol	107-21-1	42.00%	101	0.00020*6
			White	\$*81*25 <i>LL</i>	5,0055	15	0,000003%
			2-Propenal, 3-phenyl	104-55-2	4,00%	c)	0,00002%
	THE REAL PROPERTY.		Methanol	67-56-1	2.00%	9	0.00001
	ProFrae	Friction Reducer	Peroleum distillates hy drostreated light	64742-47-8	30,00%	8,606	0.01324%
			Ethoxylated Alcohol	\$451-15-5	1,00,1	085	0,00066%
	ProFra:	Surfacture	Espropyl alcohol	67,63-0	2.00	60F1	0,002177
			Methyl alcohol	67-56-1	10 007	2,012	0,00310
			Ethoxylated Nonylphenol	127087-87-0	36000E	2,012	0,00310%
			Eds Lalcohol	82/149	2,002%	1.409	0.00217%
	BjoSuite	Bioeside	Glutaraldhyde	111-30-8	1500%	691	4,040727
		A STATE OF THE PARTY OF THE PAR	Alkyl dimethy Benzyl anmonium chloride (C12-16)	68424-85-1	5.00%	156	***Z0000
	ProFrac	Scale Inhibitor	Methanol	1-95-19	\$100.5	rol	29 In 100 IL

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	-	Montana	County- Richland County			15 Stage	No.	No.				8,500	2,442,600
Fracture Start Date/Time:	Fracture End Date/Time:	Strates	County	API Number:	Operator Number:	Well Names 15 Stage	Federal Well: No	Tribal Wells f	Longitude	Latitude:	Long Lat Projection:	True Vertical Depth (TVD):	Fotal Gean Fluid Volume" (201):

Ingredients Section:

MONTANA BOARD OF OIL AND GAS ATTACHMENT TO FORM 2 "CONDITIONS OF APPROVAL"

A. Field Inspector must be notified at least 24 hours in advance of the start of fracture stimulation operation.

B. <u>36.22.1106</u> SAFETY AND WELL CONTROL REQUIREMENTS – HYDRAULIC FRACTURING

- (1) New and existing wells which will be stimulated by hydraulic fracturing must demonstrate suitable and safe mechanical configuration for the stimulation treatment proposed.
- (2) Prior to initiation of fracture stimulation, the operator must evaluate the well. If the operator proposes hydraulic fracturing through production casing or through intermediate casing, the casing must be tested to the maximum anticipated treating pressure. If the casing fails the pressure test it must be repaired or the operator must use a temporary casing string (fracturing string).
 - (a) If the operator proposes hydraulic fracturing though a fracturing string, it must be stung into a liner or run on a packer set not less than 100 feet below the cement top of the production or intermediate casing and must be tested to not less than maximum anticipated treating pressure minus the annulus pressure applied between the fracturing string and the production or immediate casing.
- (3) A casing pressure test will be considered successful if the pressure applied has been held for 30 minutes with no more than ten percent pressure loss.
- (4) A pressure relief valve(s) must be installed on the treating lines between pumps and wellhead to limit the line pressure to the test pressure determined above; the well must be equipped with a remotely controlled shut-in device unless waived by the board administrator should the factual situation warrant.
- (5) The surface casing valve must remain open while hydraulic fracturing operations are in progress; the annular space between the fracturing string and the intermediate or production casing must be monitored and may be pressurized to a pressure not to exceed the pressure rating of the lowest rated component that would be exposed to pressure should the fracturing string fail.

History: 82-11-111, MCA; IMP, 82-11-111, MCA; NEW, 2011 MAR p. 1686, Eff. 8/26/11.

C. <u>36.22.1010</u> WORK-OVER, RECOMPLETION, WELL STIMULATION – NOTICE AND APPROVAL

(1) Within 30 days following completion of the well work, a subsequent report of the actual work performed must be submitted on From No. 2.